

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138323.D
 Acq On : 24 Jun 2024 21:39
 Operator : CG\JU
 Sample : P3008-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-WS-6-21-24

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 25 01:19:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	193370	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	644810	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	290589	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	529779	20.000	ng	0.00
76) Chrysene-d12	14.051	240	362185	20.000	ng	0.00
86) Perylene-d12	15.527	264	309681	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	994097	85.998	ng	0.00
7) Phenol-d6	6.516	99	1125647	76.795	ng	0.00
23) Nitrobenzene-d5	7.445	82	661026	59.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	260414	90.019	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1012836	55.424	ng	-0.01
79) Terphenyl-d14	12.992	244	1169800	51.155	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.780	152	52803	2.235	ng	99
52) Acenaphthene	9.951	154	69646	4.322	ng	100
55) Dibenzofuran	10.127	168	54645	2.426	ng	95
58) Fluorene	10.469	166	70660	3.990	ng	99
71) Phenanthrene	11.433	178	651299	24.859	ng	97
72) Anthracene	11.480	178	177737	6.833	ng	98
73) Carbazole	11.639	167	54717	2.293	ng	98
75) Fluoranthene	12.627	202	1156616	43.293	ng	99
78) Pyrene	12.851	202	1109518	35.515	ng	98
81) Benzo(a)anthracene	14.039	228	471388	20.287	ng	98
83) Chrysene	14.074	228	437829	19.768	ng	97
87) Indeno(1,2,3-cd)pyrene	17.003	276	195049	9.662	ng	94
88) Benzo(b)fluoranthene	15.092	252	442692m	24.241	ng	
89) Benzo(k)fluoranthene	15.115	252	150538m	8.411	ng	
90) Benzo(a)pyrene	15.462	252	326706	20.824	ng	97
91) Dibenzo(a,h)anthracene	17.021	278	46690	2.818	ng	# 87
92) Benzo(g,h,i)perylene	17.456	276	183030	10.677	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

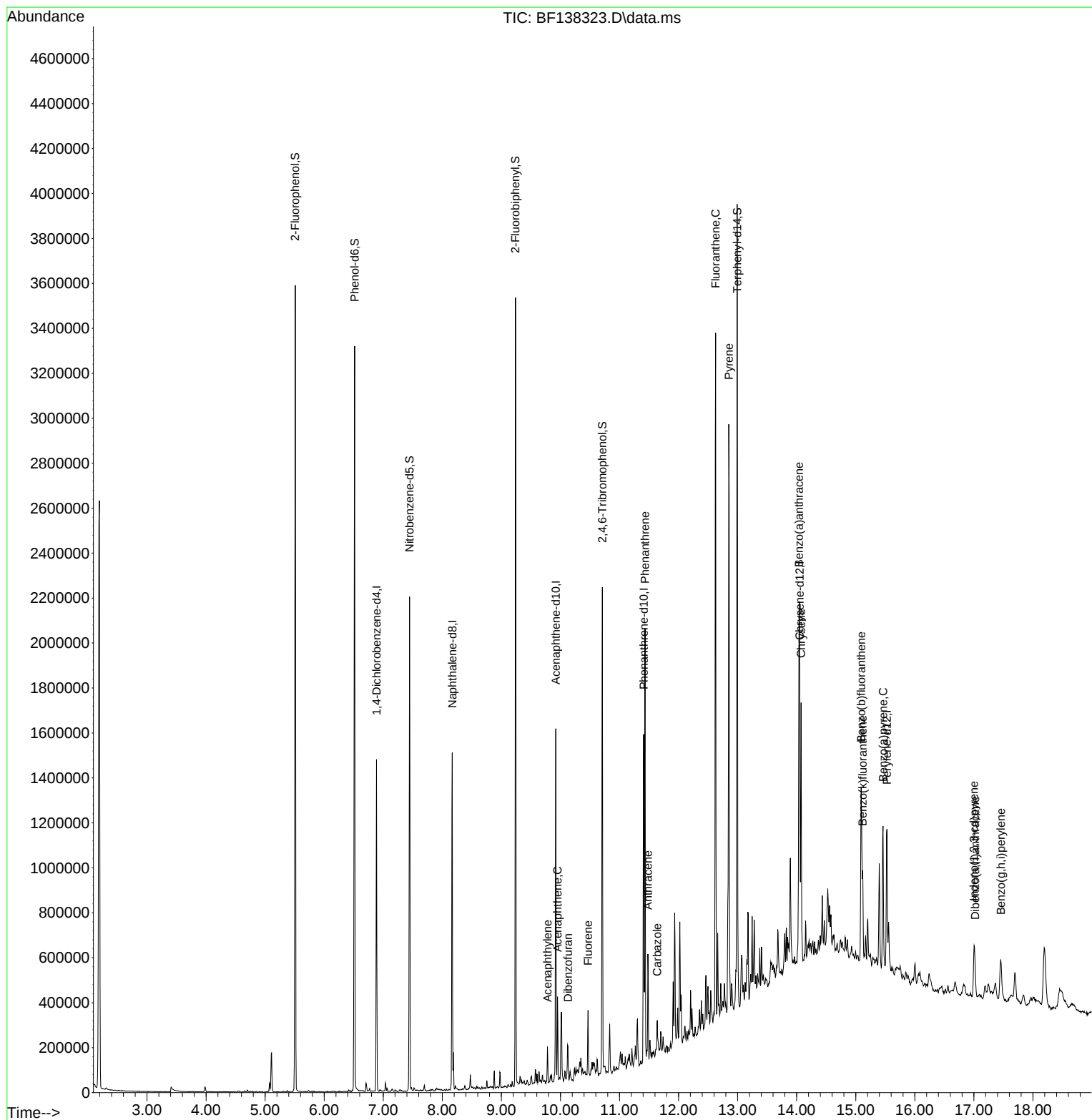
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138323.D
Acq On : 24 Jun 2024 21:39
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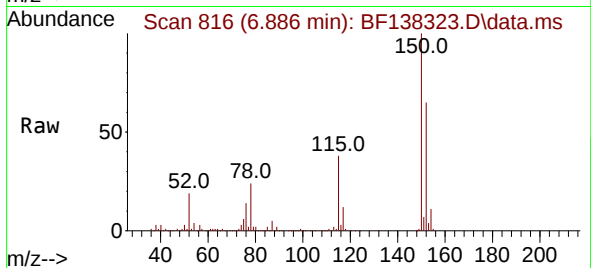
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

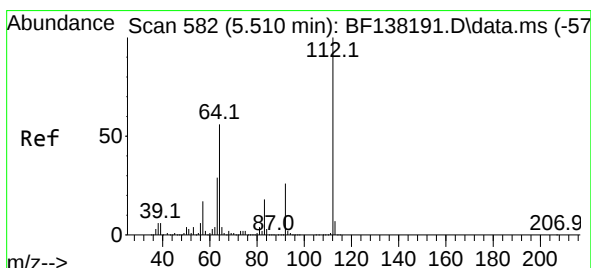
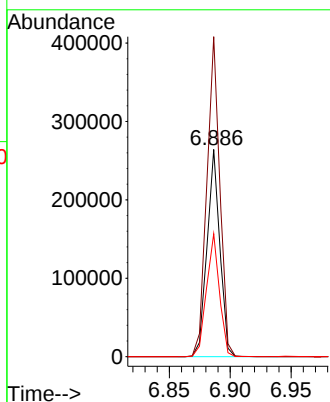
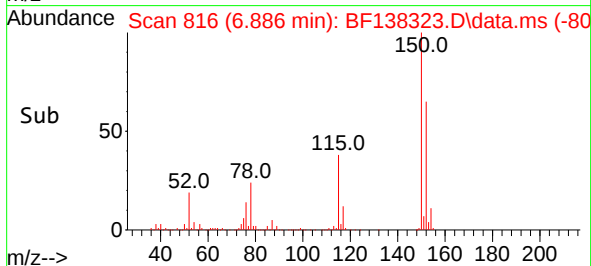
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion:152 Resp: 193370
Ion Ratio Lower Upper
152 100
150 154.4 125.0 187.4
115 59.3 48.4 72.6

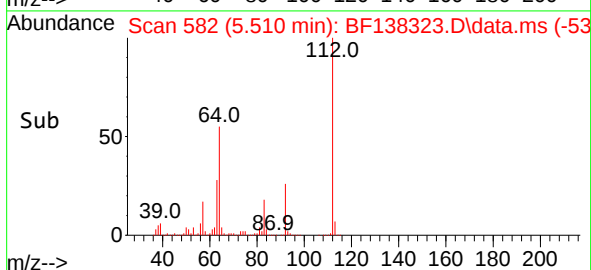
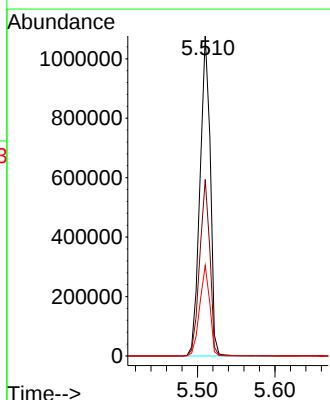
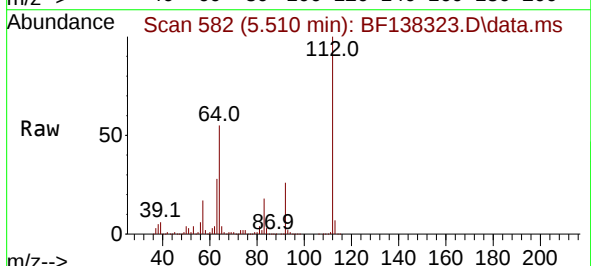
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#5
2-Fluorophenol
Concen: 85.998 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

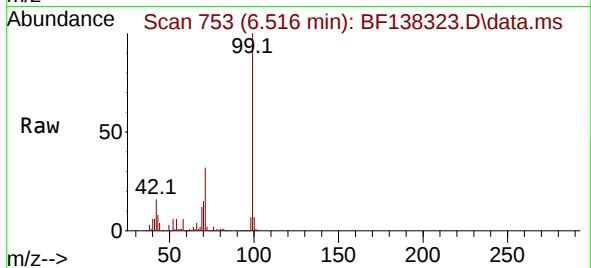
Tgt Ion:112 Resp: 994097
Ion Ratio Lower Upper
112 100
64 55.1 45.2 67.8
63 28.2 22.9 34.3





#7
Phenol-d6
Concen: 76.795 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

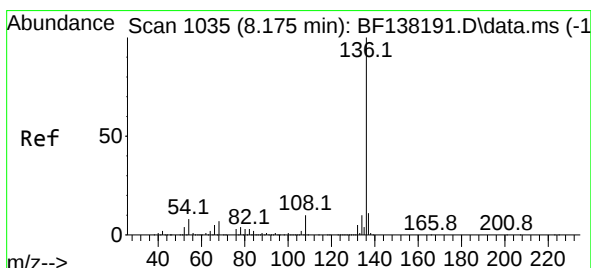
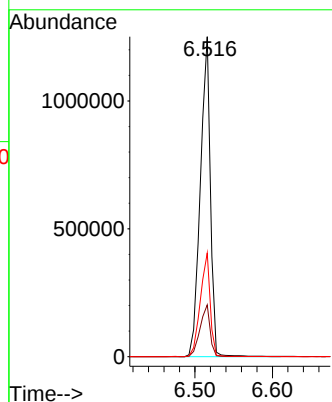
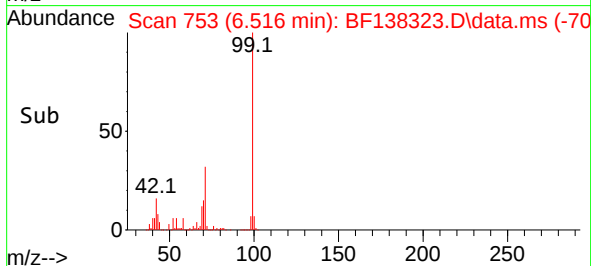
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion: 99 Resp: 112564
Ion Ratio Lower Upper
99 100
42 16.2 13.7 20.5
71 32.4 25.0 37.6

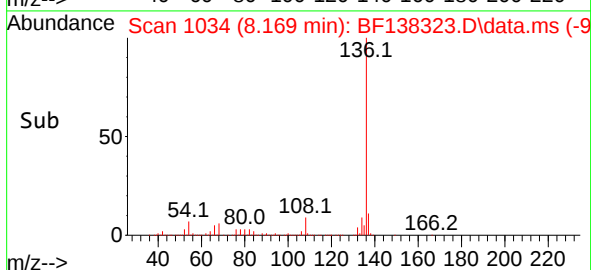
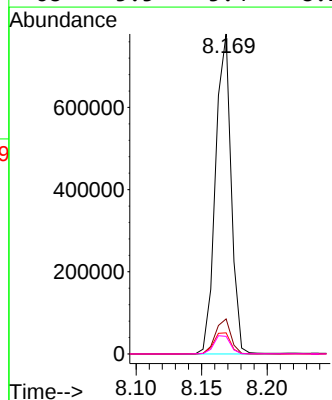
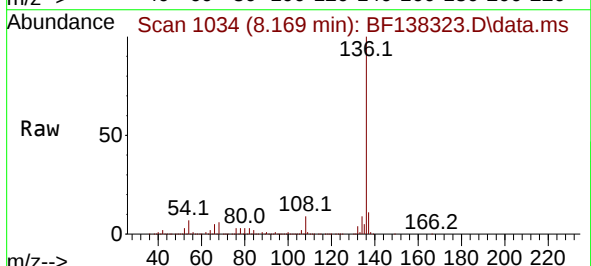
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

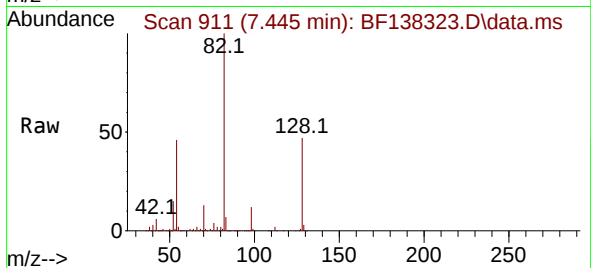
Tgt Ion:136 Resp: 644810
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.6 6.6 10.0#
68 5.5 5.4 8.2





#23
Nitrobenzene-d5
Concen: 59.680 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

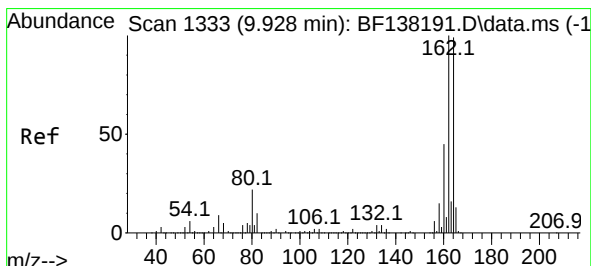
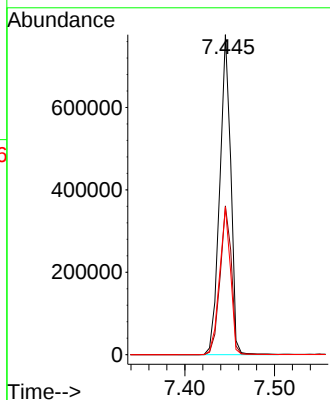
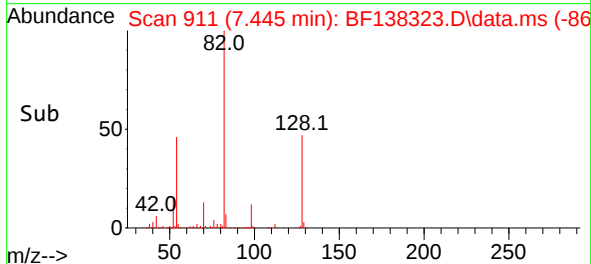
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



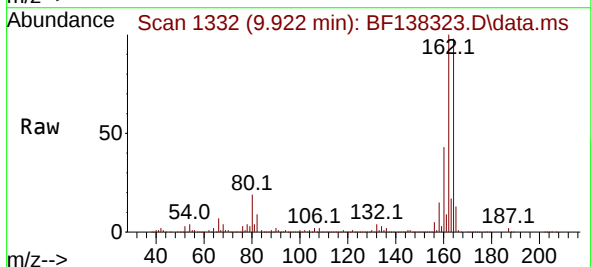
Tgt Ion: 82 Resp: 661020
Ion Ratio Lower Upper
82 100
128 46.5 37.2 55.8
54 46.1 39.8 59.6

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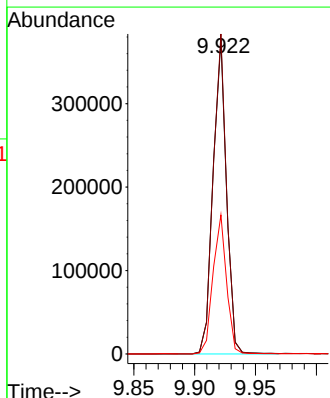
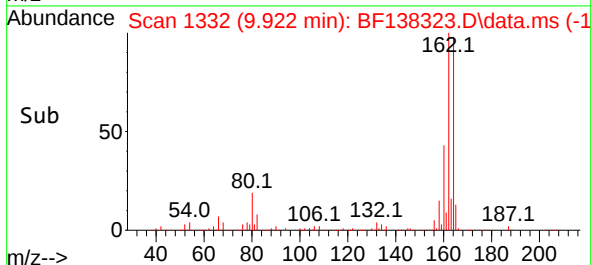
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39



Tgt Ion:164 Resp: 290589
Ion Ratio Lower Upper
164 100
162 101.9 80.6 121.0
160 44.3 36.3 54.5





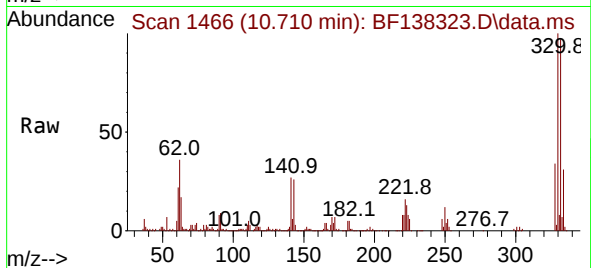
#42
2,4,6-Tribromophenol
Concen: 90.019 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24



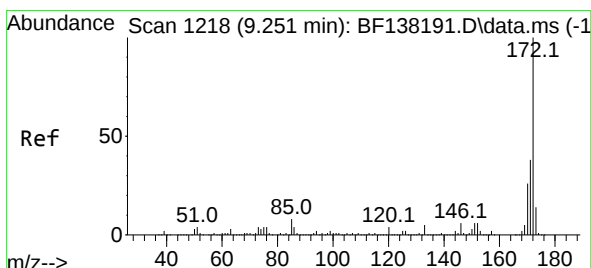
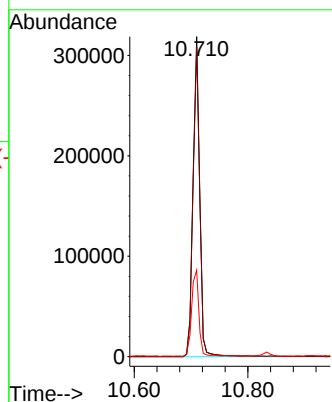
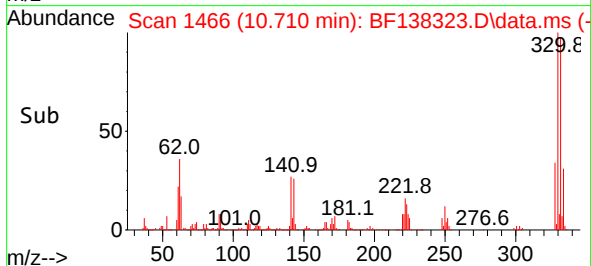
Tgt Ion:330 Resp: 260414
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 28.8 23.9 35.9

Manual Integrations

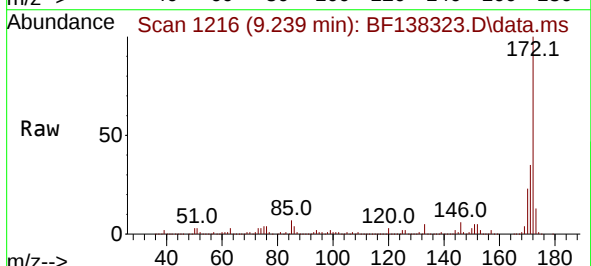
APPROVED

Reviewed By :Yogesh Patel 06/25/2024

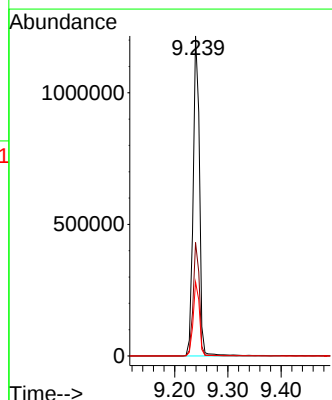
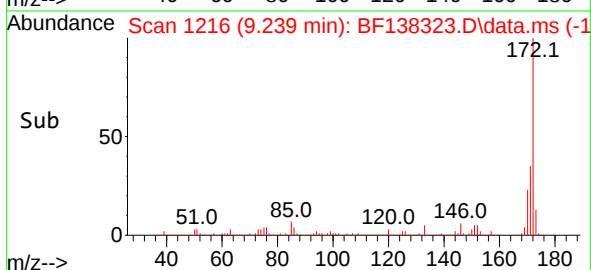
Supervised By :mohammad ahmed 06/26/2024

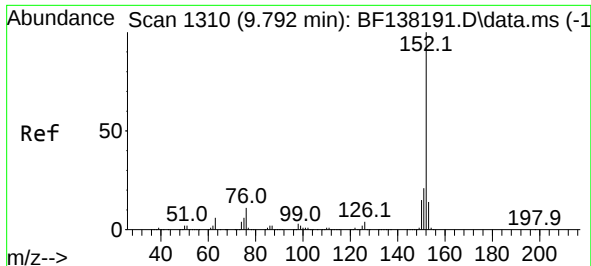


#45
2-Fluorobiphenyl
Concen: 55.424 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39



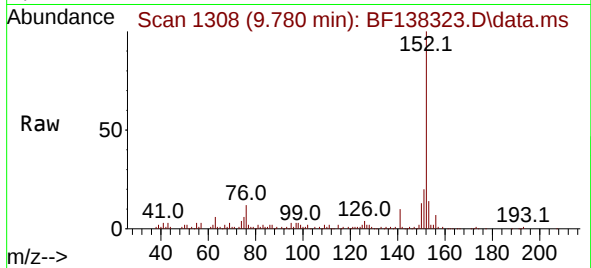
Tgt Ion:172 Resp: 1012836
Ion Ratio Lower Upper
172 100
171 35.4 30.3 45.5
170 23.1 20.6 30.8





#49
Acenaphthylene
Concen: 2.235 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

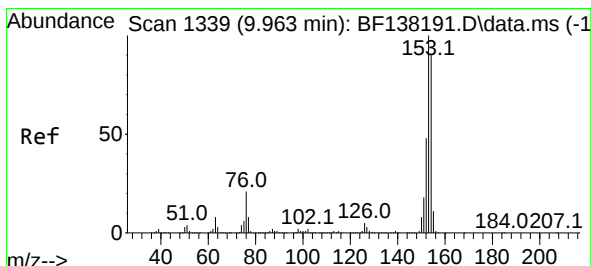
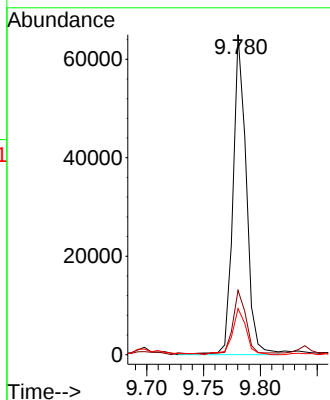
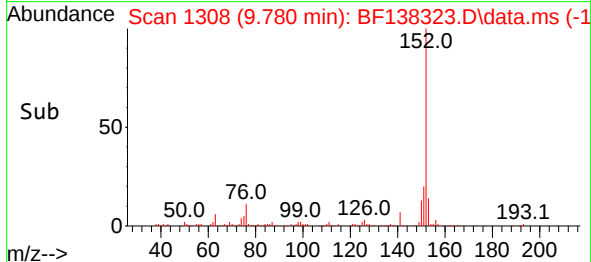
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



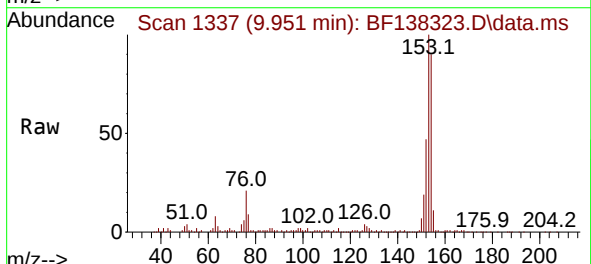
Tgt Ion:152 Resp: 5280
Ion Ratio Lower Upper
152 100
151 20.1 16.9 25.3
153 14.4 11.4 17.0

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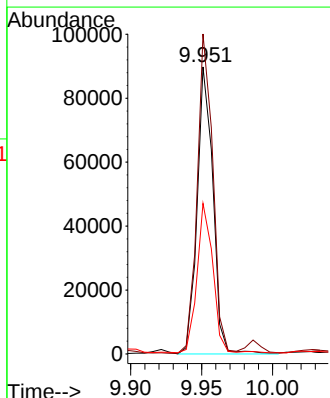
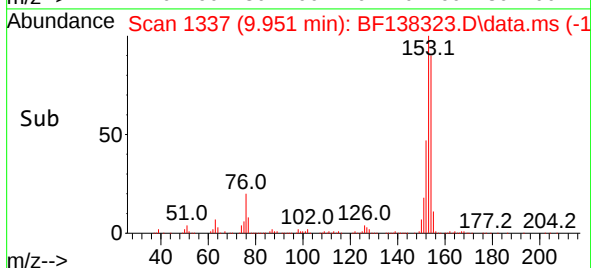
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

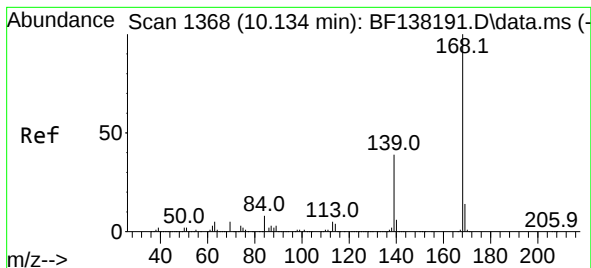


#52
Acenaphthene
Concen: 4.322 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39



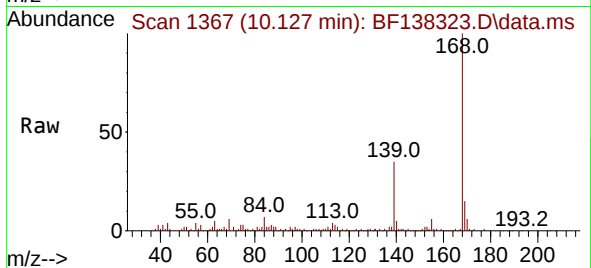
Tgt Ion:154 Resp: 69646
Ion Ratio Lower Upper
154 100
153 111.5 89.1 133.7
152 52.5 42.4 63.6





#55
Dibenzofuran
Concen: 2.426 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

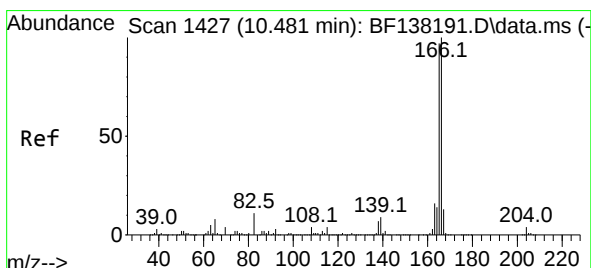
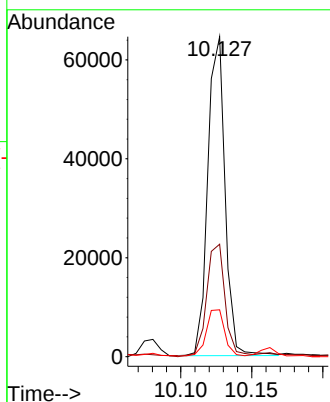
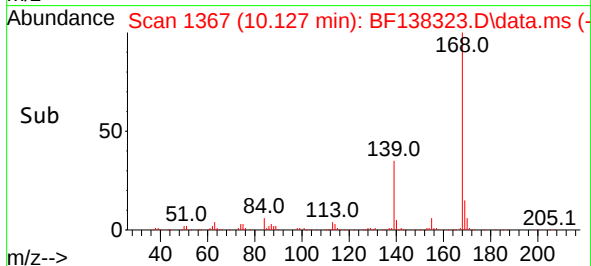
Instrument :
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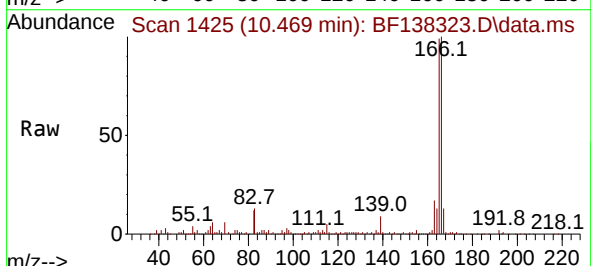
Tgt Ion:168 Resp: 5464
Ion Ratio Lower Upper
168 100
139 35.1 31.0 46.4
169 14.7 11.4 17.0

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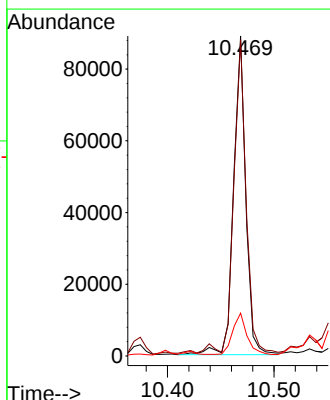
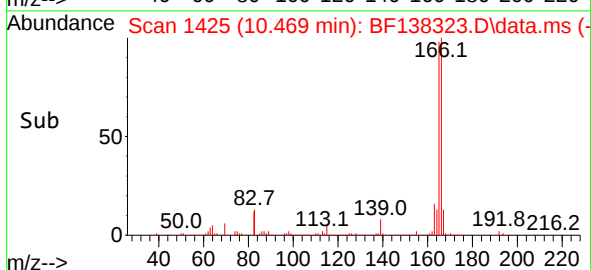
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#58
Fluorene
Concen: 3.990 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39



Tgt Ion:166 Resp: 70660
Ion Ratio Lower Upper
166 100
165 98.8 77.9 116.9
167 13.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

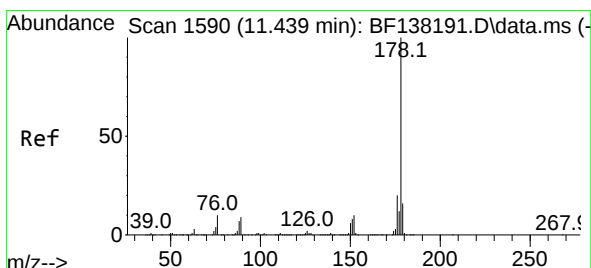
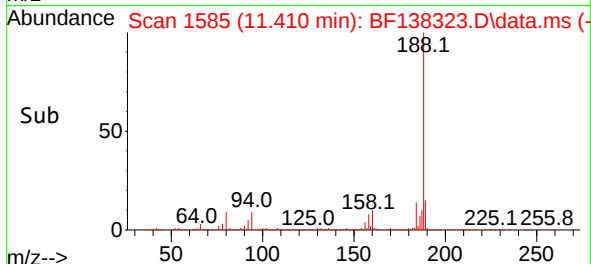
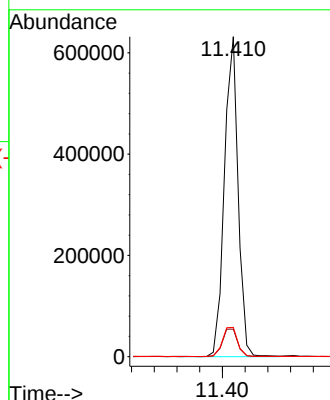
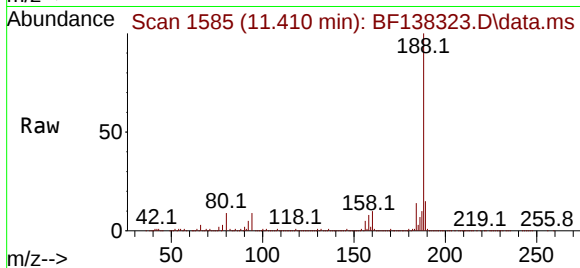
Tgt Ion:188	Resp: 529779
Ion Ratio	Lower Upper
188 100	
94 8.6	7.6 11.4
80 9.1	8.1 12.1

Manual Integrations

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Supervised By :mohammad ahmed 06/26/2024



#71

Phenanthrene

Concen: 24.859 ng

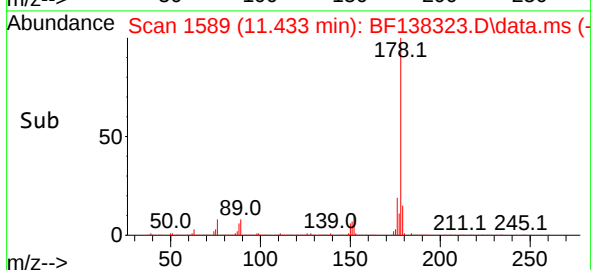
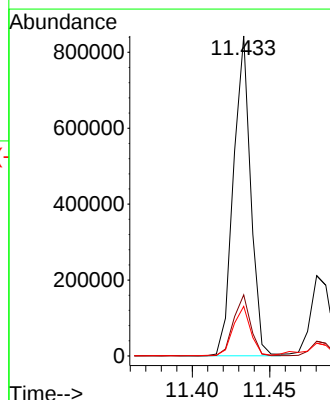
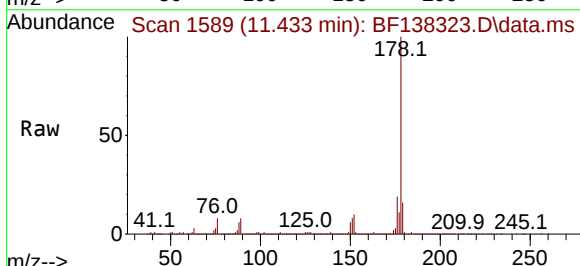
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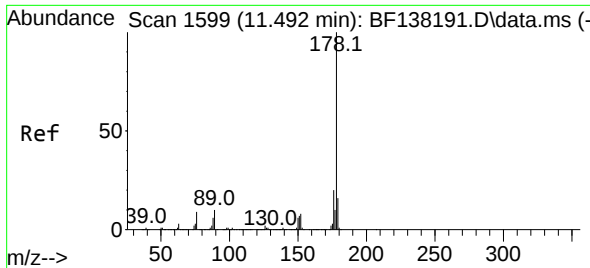
Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

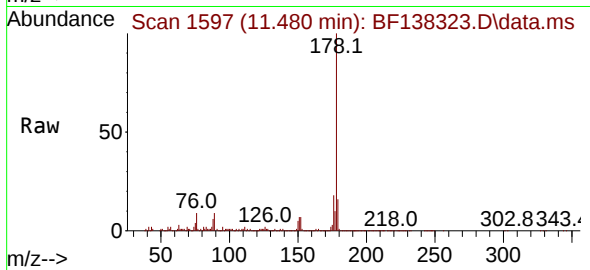
Tgt Ion:178	Resp: 651299
Ion Ratio	Lower Upper
178 100	
176 19.1	16.4 24.6
179 15.5	13.1 19.7





#72
 Anthracene
 Concen: 6.833 ng
 RT: 11.480 min Scan# 1599
 Delta R.T. -0.012 min
 Lab File: BF138323.D
 Acq: 24 Jun 2024 21:39

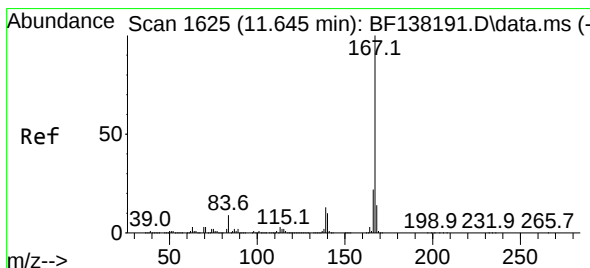
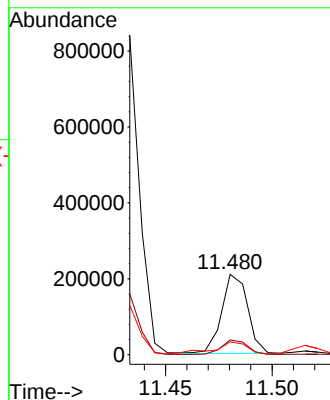
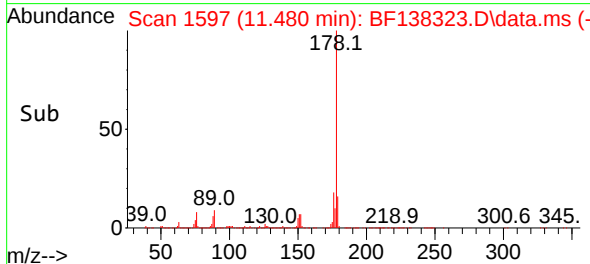
Instrument : BNA_F
 ClientSampleId : WC-WS-6-21-24



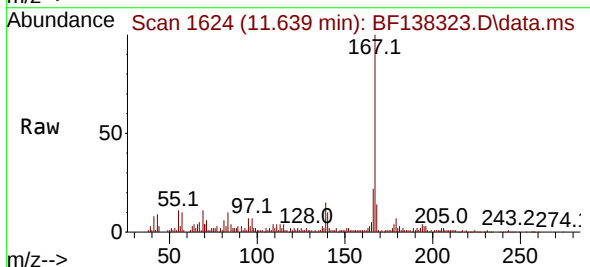
Tgt Ion:178 Resp: 17773
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.9 13.0 19.6

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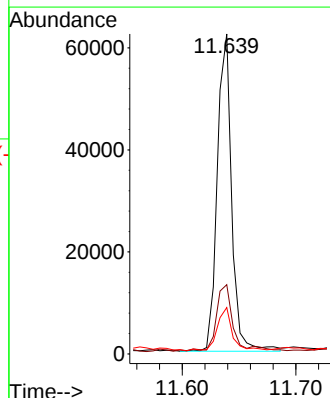
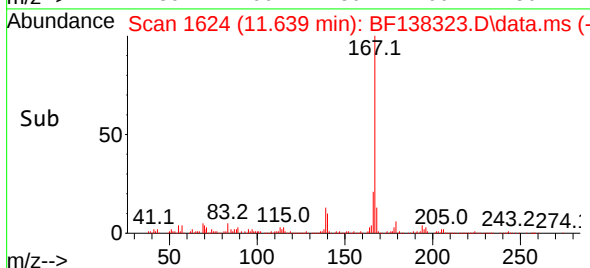
Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

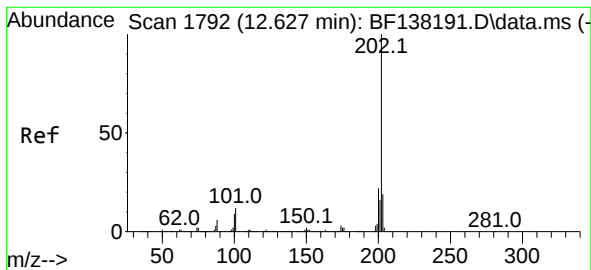


#73
 Carbazole
 Concen: 2.293 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF138323.D
 Acq: 24 Jun 2024 21:39



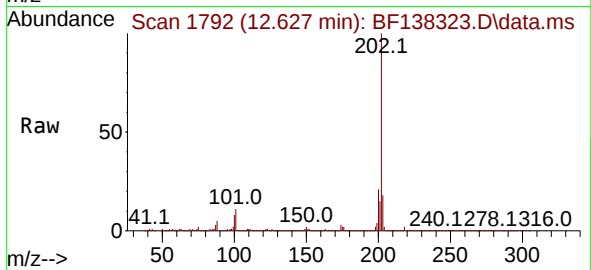
Tgt Ion:167 Resp: 54717
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.0 27.0
 139 14.5 10.6 16.0





#75
Fluoranthene
Concen: 43.293 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

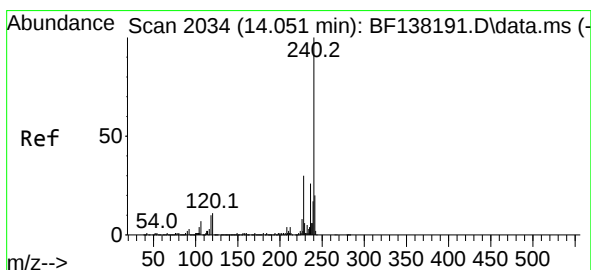
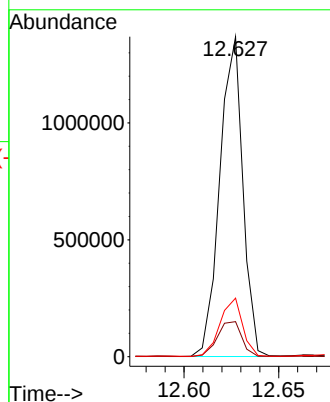
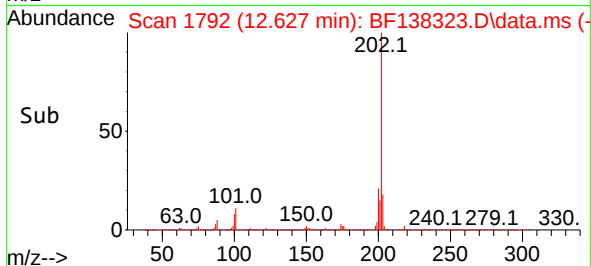
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion:202 Resp: 1156610
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.8
203 18.3 0.0 38.6

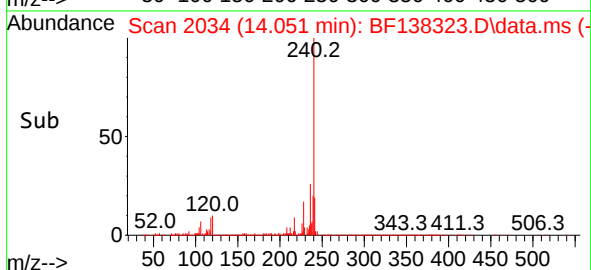
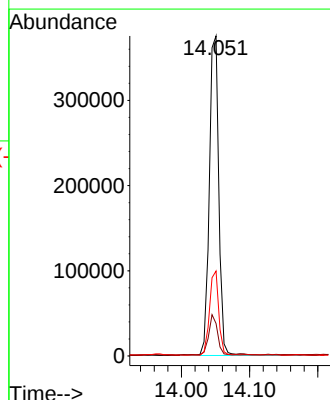
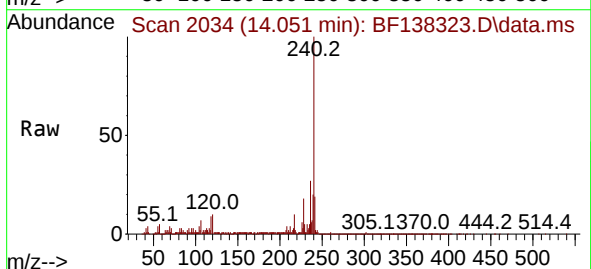
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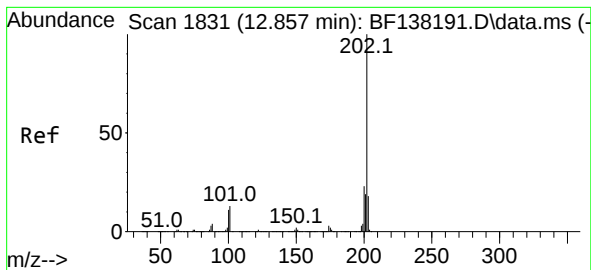
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

Tgt Ion:240 Resp: 362185
Ion Ratio Lower Upper
240 100
120 10.2 9.2 13.8
236 26.6 21.0 31.6





#78

Pyrene

Concen: 35.515 ng

RT: 12.851 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion:202 Resp: 1109518

Ion Ratio Lower Upper

202 100

200 21.0 18.0 27.0

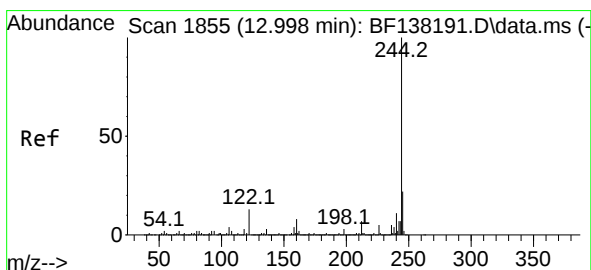
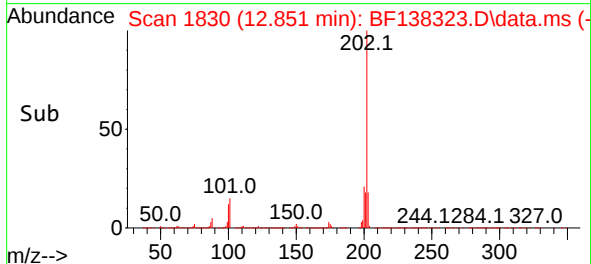
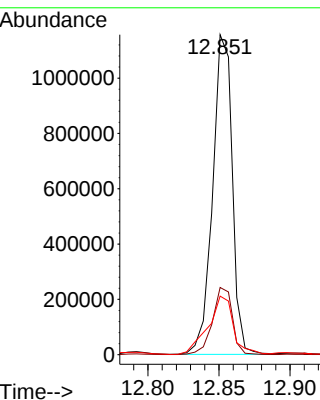
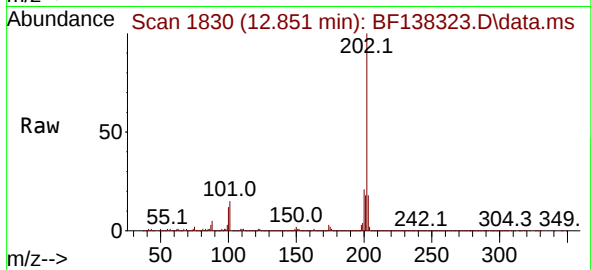
203 18.3 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#79

Terphenyl-d14

Concen: 51.155 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

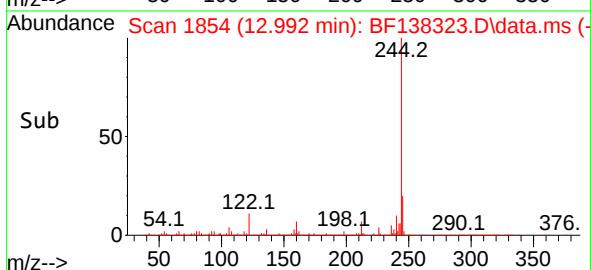
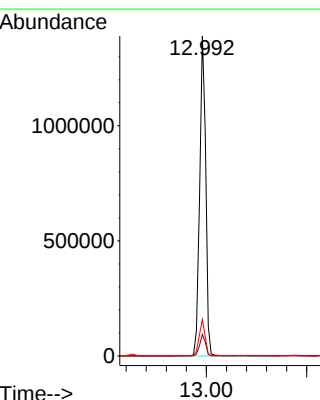
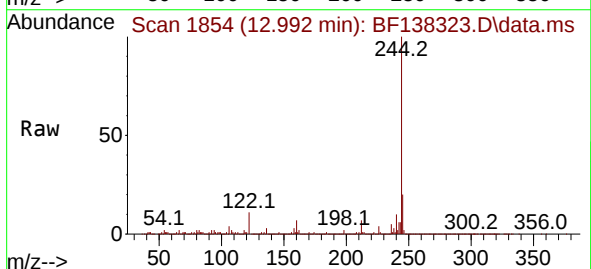
Tgt Ion:244 Resp: 1169800

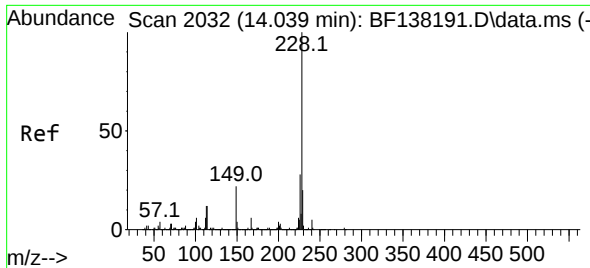
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 11.4 10.6 15.8





#81
Benzo(a)anthracene
Concen: 20.287 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

Instrument :

BNF_F

ClientSampleId :

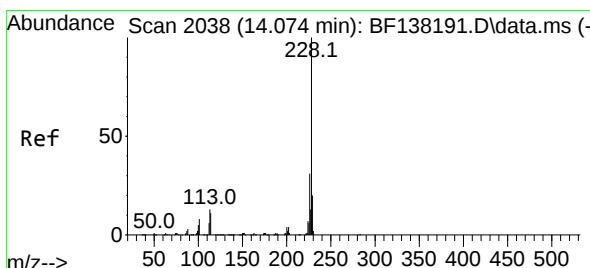
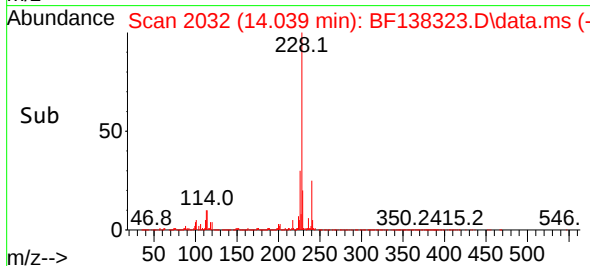
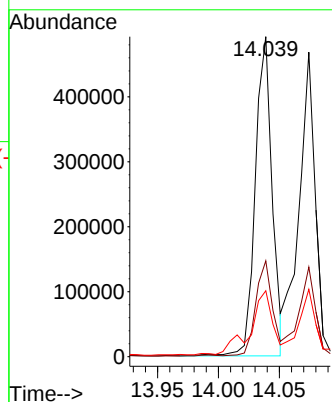
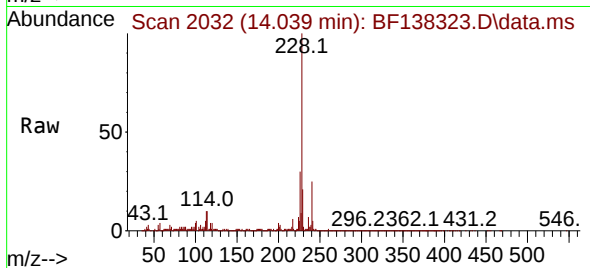
WC-WS-6-21-24

Tgt Ion:228 Resp: 471388
Ion Ratio Lower Upper
228 100
226 29.9 22.5 33.7
229 20.6 16.3 24.5

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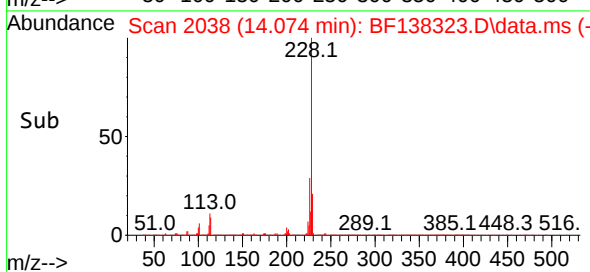
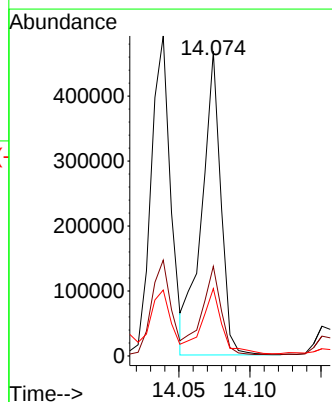
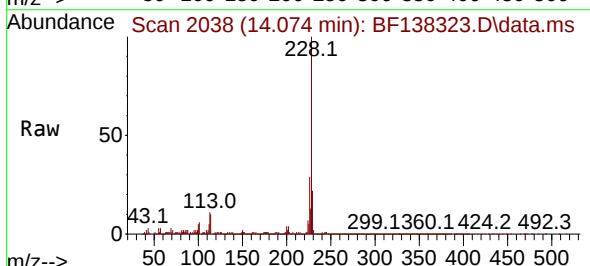
APPROVED

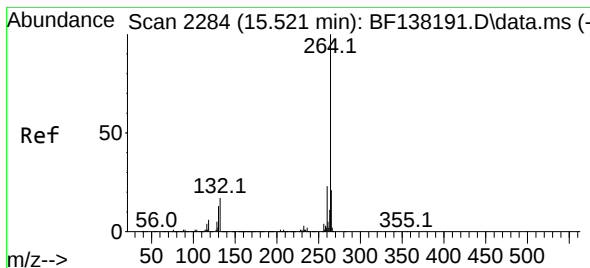
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#83
Chrysene
Concen: 19.768 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

Tgt Ion:228 Resp: 437829
Ion Ratio Lower Upper
228 100
226 29.4 24.5 36.7
229 22.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion:264 Resp: 30968

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

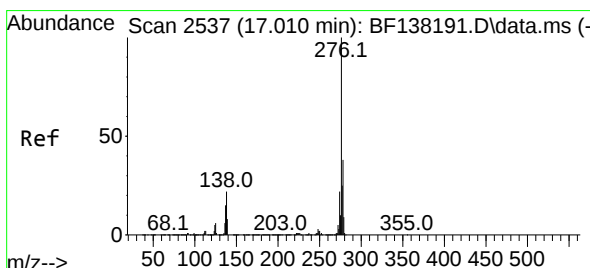
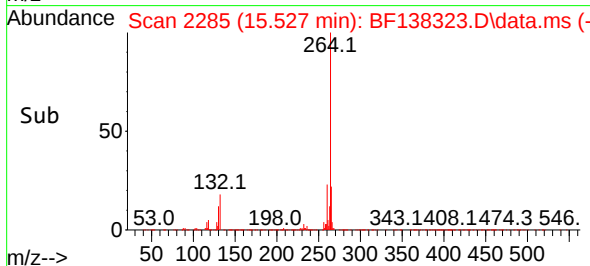
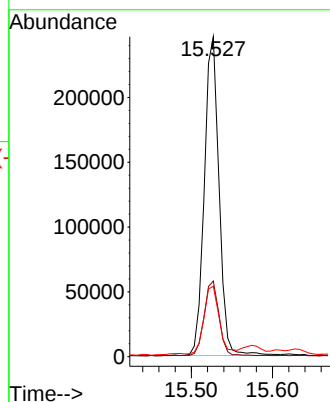
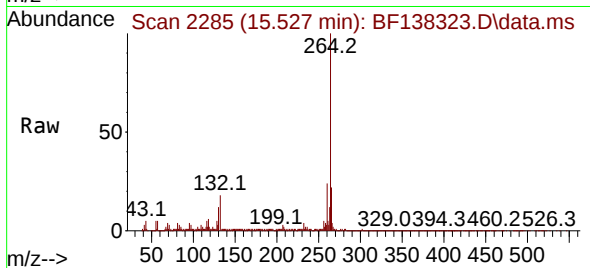
265 22.0 17.0 25.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.662 ng

RT: 17.003 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

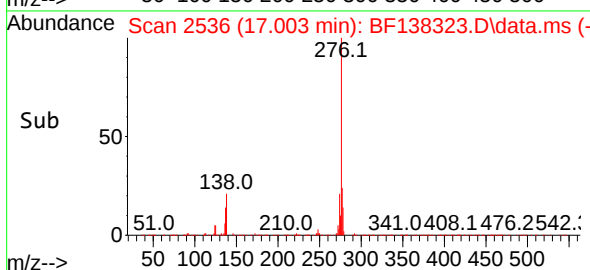
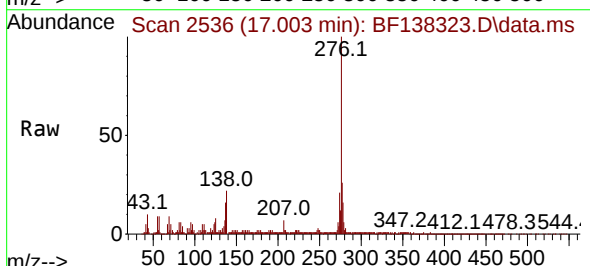
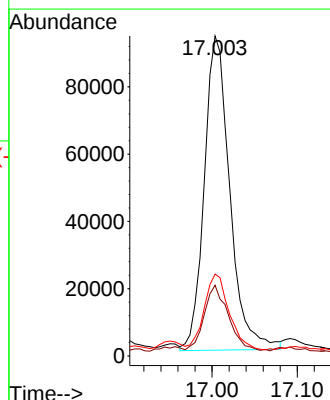
Tgt Ion:276 Resp: 195049

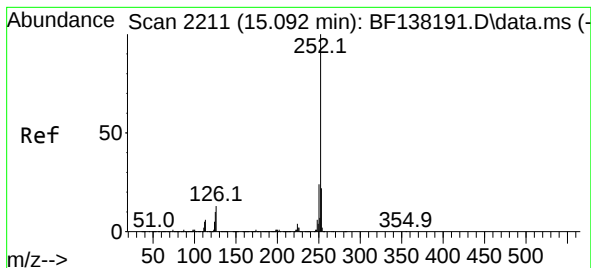
Ion Ratio Lower Upper

276 100

138 19.9 19.3 28.9

277 23.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 24.241 ng m

RT: 15.092 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

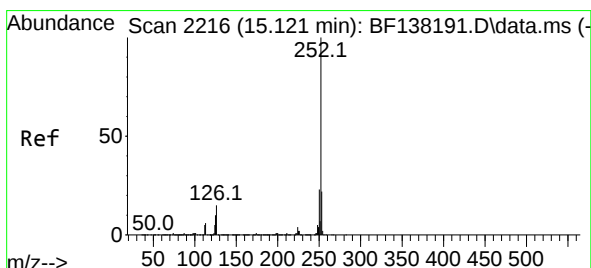
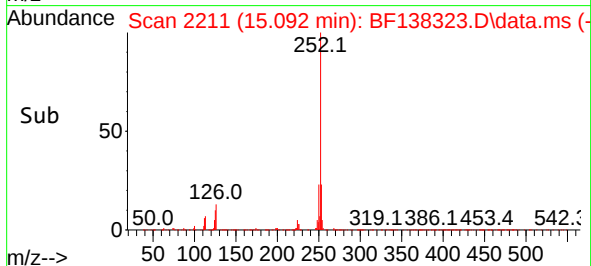
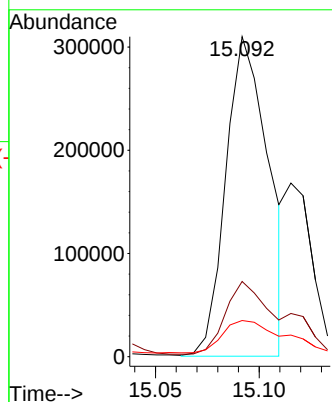
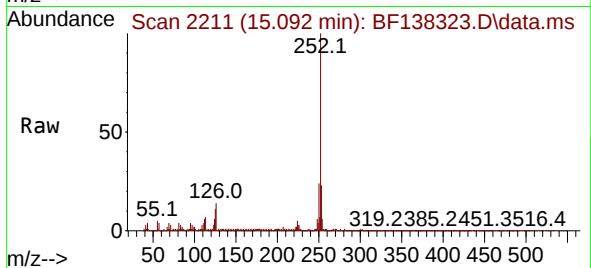
Tgt Ion:252 Resp: 442692
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.3 7.8 11.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#89

Benzo(k)fluoranthene

Concen: 8.411 ng m

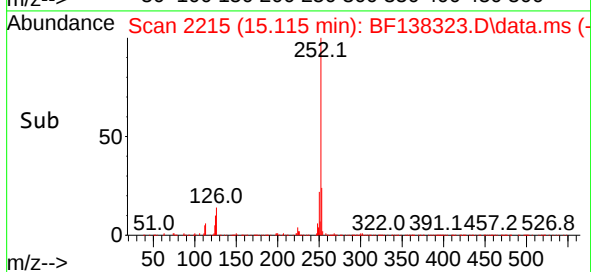
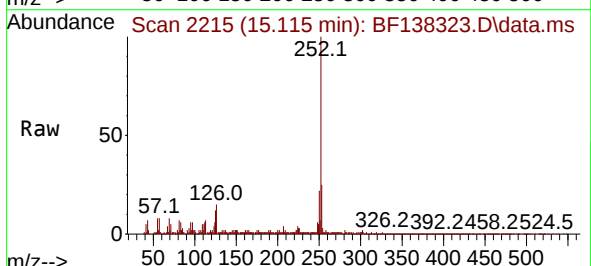
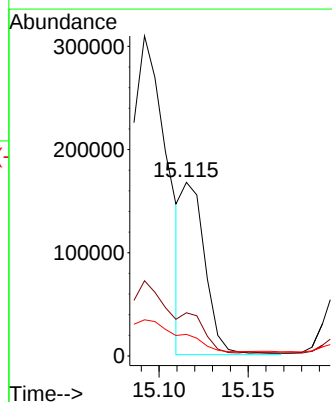
RT: 15.115 min Scan# 2215

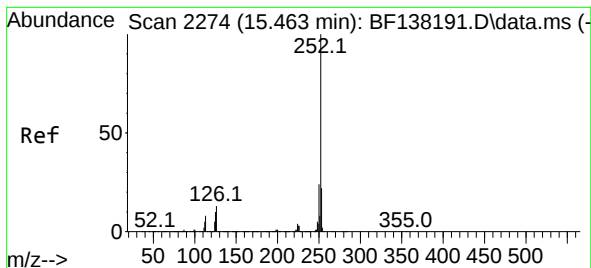
Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Tgt Ion:252 Resp: 150538
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.8 26.8
 125 12.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 20.824 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

Instrument :

BNA_F

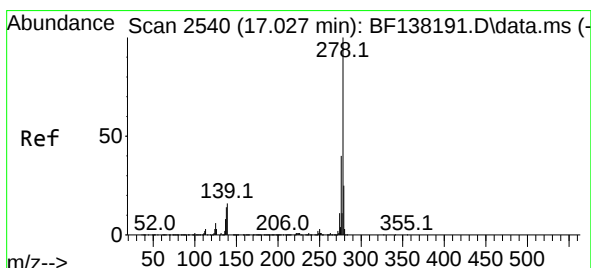
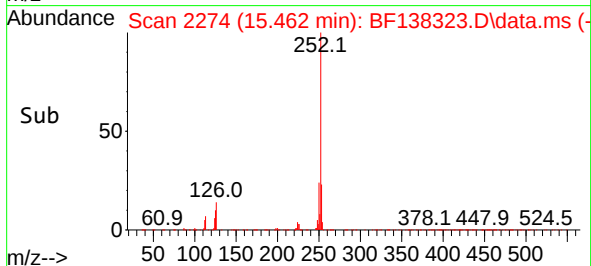
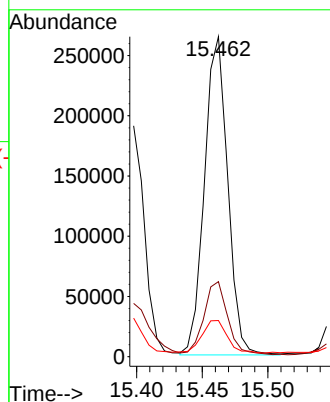
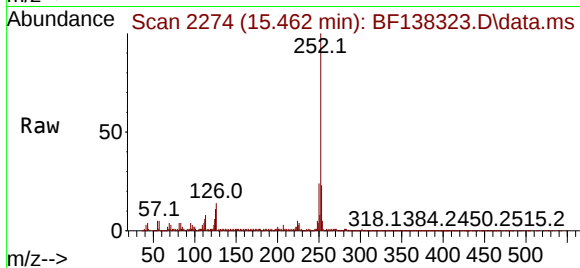
ClientSampleId :

WC-WS-6-21-24

Tgt Ion:252 Resp: 326700
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.3 8.2 12.2

Manual Integrations
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Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.818 ng

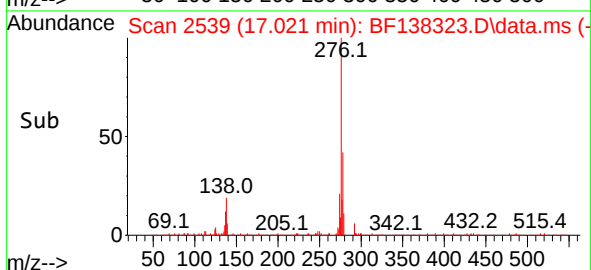
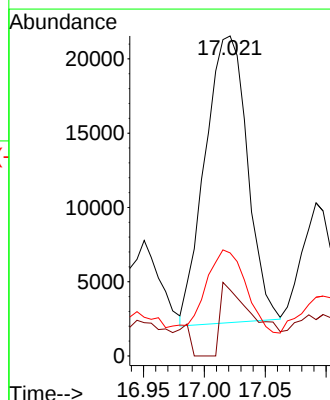
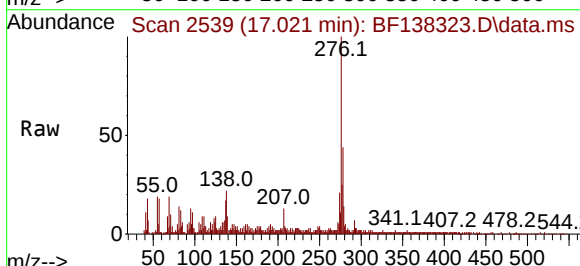
RT: 17.021 min Scan# 2539

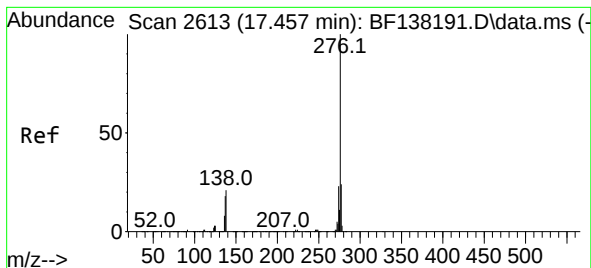
Delta R.T. -0.006 min

Lab File: BF138323.D

Acq: 24 Jun 2024 21:39

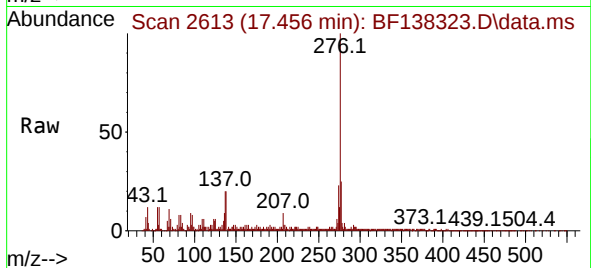
Tgt Ion:278 Resp: 46690
 Ion Ratio Lower Upper
 278 100
 139 20.7 12.9 19.3#
 279 32.2 19.9 29.9#





#92
Benzo(g,h,i)perylene
Concen: 10.677 ng
RT: 17.456 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF138323.D
Acq: 24 Jun 2024 21:39

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion:276 Resp: 183030
Ion Ratio Lower Upper
276 100
277 24.5 19.5 29.3
138 20.1 16.6 24.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

